



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Cholla Production LLC  
 7851 S. Elatin ST STE 201  
 Littleton CO, 80120  
 ATTN: Bill Guff

**8-11s-22w Trego KS**  
**Patterson 1-8**  
 Job Ticket: 51561      **DST#: 2**  
 Test Start: 2012.12.02 @ 03:06:00

## GENERAL INFORMATION:

Formation: **Lansing "C"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 04:45:15  
 Time Test Ended: 08:55:39  
 Interval: **3475.00 ft (KB) To 3500.00 ft (KB) (TVD)**  
 Total Depth: 3500.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Cody Bloedorn  
 Unit No: 39  
 Reference Elevations: 2203.00 ft (KB)  
 2198.00 ft (CF)  
 KB to GR/CF: 5.00 ft

## Serial #: 8844

**Outside**

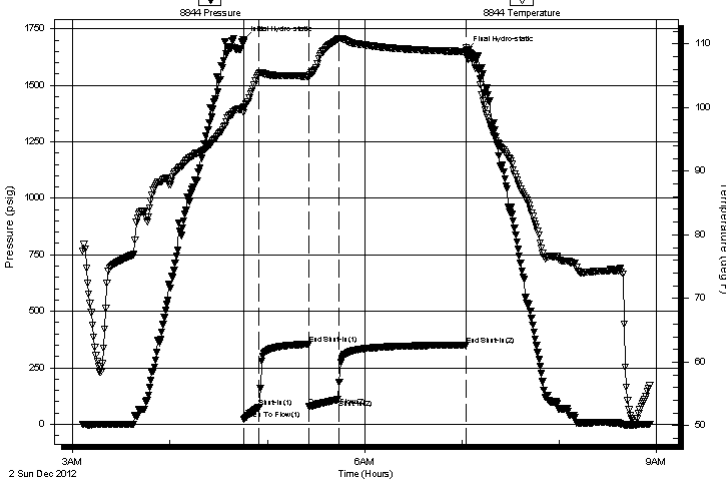
Press @ Run Depth: 109.70 psig @ 3476.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2012.12.02      End Date: 2012.12.02      Last Calib.: 2012.12.02  
 Start Time: 03:06:05      End Time: 08:55:39      Time On Btm: 2012.12.02 @ 04:45:10  
 Time Off Btm: 2012.12.02 @ 07:02:30

**TEST COMMENT:** 10 - IF- B.O.B. in 2 Minutes  
 30 - IS- No blow back  
 20 - FF- B.O.B. in 5 Minutes  
 60 - FS- No blow back

## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1699.90	99.99	Initial Hydro-static
1	22.75	99.13	Open To Flow (1)
10	75.39	105.26	Shut-In(1)
41	354.03	104.86	End Shut-In(1)
41	77.68	104.73	Open To Flow (2)
59	109.70	110.77	Shut-In(2)
138	351.31	108.79	End Shut-In(2)
138	1651.59	109.35	Final Hydro-static

Pressure vs. Time



## Recovery

Length (ft)	Description	Volume (bbl)
186.00	WM, 40%W, 60%M	1.48
10.00	Mud, 100%M	0.14

\* Recovery from multiple tests

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)



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**DST#: 2**

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## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
186.00	WM, 40%W, 60%M	1.480
10.00	Mud, 100%M	0.140

Total Length: 196.00 ft

Total Volume: 1.620 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time

